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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,451	10/17/2005	Ryuzo Ueno	Q90949	6984
23373 SUGHRUE MI	7590 01/18/2007 ON, PLLC	EXAMINER		
2100 PENNSYLVÁNIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			LAO, MARIALOUISA	
			. ART UNIT	PAPER NUMBER
			1621	
		···		
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MONTHS		01/18/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)			
Office Action Summary		10/553,451	UENO ET AL.			
		Examiner	Art Unit			
		MLouisa Lao, Ph.D.	1621			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)□	Responsive to communication(s) filed on					
·	· · · · · · · · · · · · · · · · · · ·	action is non-final.				
	·					
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims		·			
4)⊠	Claim(s) 1-10 is/are pending in the application.	•				
•	4a) Of the above claim(s) is/are withdrawn from consideration.					
·	5) Claim(s) is/are allowed.					
·	6)⊠ Claim(s) <u>1-10</u> is/are rejected.					
7)🖂	y)⊠ Claim(s) <u>5-8</u> is/are objected to.					
8)□	Claim(s) are subject to restriction and/or	election requirement.				
Applicati	on Papers					
9)[]	The specification is objected to by the Examine	•				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
,						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
	ınder 35 U.S.C. § 119					
121	Acknowledgment is made of a claim for foreign	priority under 35 LLS C & 119(a).	-(d) or (f)			
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
٠,,,	1.☐ Certified copies of the priority documents have been received.					
2. Certified copies of the priority documents have been received in Application No.						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachma-	Ne)					
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
2) Notice	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te			
	nation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	5) Notice of Informal Pa	atent Application			
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Application/Control Number: 10/553,451

Art Unit: 1621

DETAILED ACTION

Page 2

Claim Objections

1. Claim 5 is objected to under 37 CFR 1.75 as being a substantial duplicate of claim 6.

When two claims in an application are duplicates or else are so close in content that they both

cover the same thing, despite a slight difference in wording, it is proper after allowing one claim

to object to the other as being a substantial duplicate of the allowed claim. See MPEP

§ 706.03(k).

In claim 5 line 3, the applicants recite ..."preparing a solution"... whereupon this is

essentially equivalent to that recited in claim 6 lines 3-4, where the applicants recite ..." a

suspension... heating the suspension..." thus creating similarly a solution.

2. Claim 7 is objected to under 37 CFR 1.75(c) as being in improper form because a

multiple dependent claim should refer to other claims in the alternative only, and/or, cannot

depend from any other multiple dependent claim. See MPEP § 608.01(n). Accordingly, the

claim has not been further treated on the merits.

Claim 8 is objected to because of the following informalities: in line 3, the applicants

recite..."and can not a 140 mesh...", where the applicants may have intended to say... " and can

not pass through a 140 mesh..".

Appropriate correction is required.

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the

subject matter, which the applicant regards as his invention.

Application/Control Number: 10/553,451 Page 3

Art Unit: 1621

2. Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing

to particularly point out and distinctly claim the subject matter which applicant regards as the

invention.

The term "a temperature" in claim 2 is a relative term, which renders the claim indefinite.

The term "a temperature" is not defined by the claim, the specification does not provide a

standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be

reasonably apprised of the scope of the invention. In claim 2 lines 4-5, the applicants recite ... "a

temperature in the range from the transition temperature to said temperature +30°C", without

defining what "a temperature" is. The applicant may have intended to mean that the transition

temperature is the starting temperature for the range of temperature.

3. Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing

to particularly point out and distinctly claim the subject matter which applicant regards as the

invention.

Claim 2 recites the limitation "said temperature" in line 5. There is insufficient

antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Art Unit: 1621

5. Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Cocco (USPatent 4815498, USPat '498).

The instant application provides a process for preparing crystalline parahydroxybenzoic acid anhydride, comprising variations in the step of precipitating and isolating parahydroxybenzoic acid in an aqueous solvent at a temperature equal to or above the transition temperature of parahydroxybenzoic acid.

USPat '498 teaches the facile recovery of crystalline parahydroxybenzoic acid from an aqueous solution of dipotassium and/or monopotassium parahydroxybenzoate, incorporating thereto the use of solvents like alcohols (see column 3 lines 12-14), acids like sulfuric acid (see column 1 lines 48-50), and water (see column 1 lines 51-52) at temperatures suitable for the solubility of the parahydroxybenzoic acid and carried out at temperatures of from 40°C to 80°C (see column 3 lines 26-56). Whereupon, USPat'498 teaches that the recovery process results to particle size that can include thicker needles and a higher bulk density and an improved flowability (see column 5 lines 1-7).

As to the reference of the instant claims to the terms "transition temperature", "angle of repose" and "specific surface area", the examiner takes the stand that these terms and/or characteristics are not a showing of unexpected results, but are peripheral to the purification process as taught by USPat'498 and a skilled artisan in the art at the time of the invention would reconcile these terms to the solubility, bulk density, flowability and better handling, respectively, of the ensuing purified or recovered crystalline parahydroxybenzoic acid.

It is clear that USPat 498 anticipates the instant invention.

Application/Control Number: 10/553,451

Art Unit: 1621

Telephone Inquiry

6. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to MLouisa Lao, Ph.D. whose telephone number is 571-272-9930.

The examiner can normally be reached on 8:30am to 5:30pm Mondays to Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thurman Page can be reached on 571-272-0602. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

mll 01-05-2007

MLouisa Lao, Ph.D.

Examiner

Art Unit 1621

For THURMAN PAGE

SOBA

Supervisory Patent Examiner

GAU 1621

Page 5